

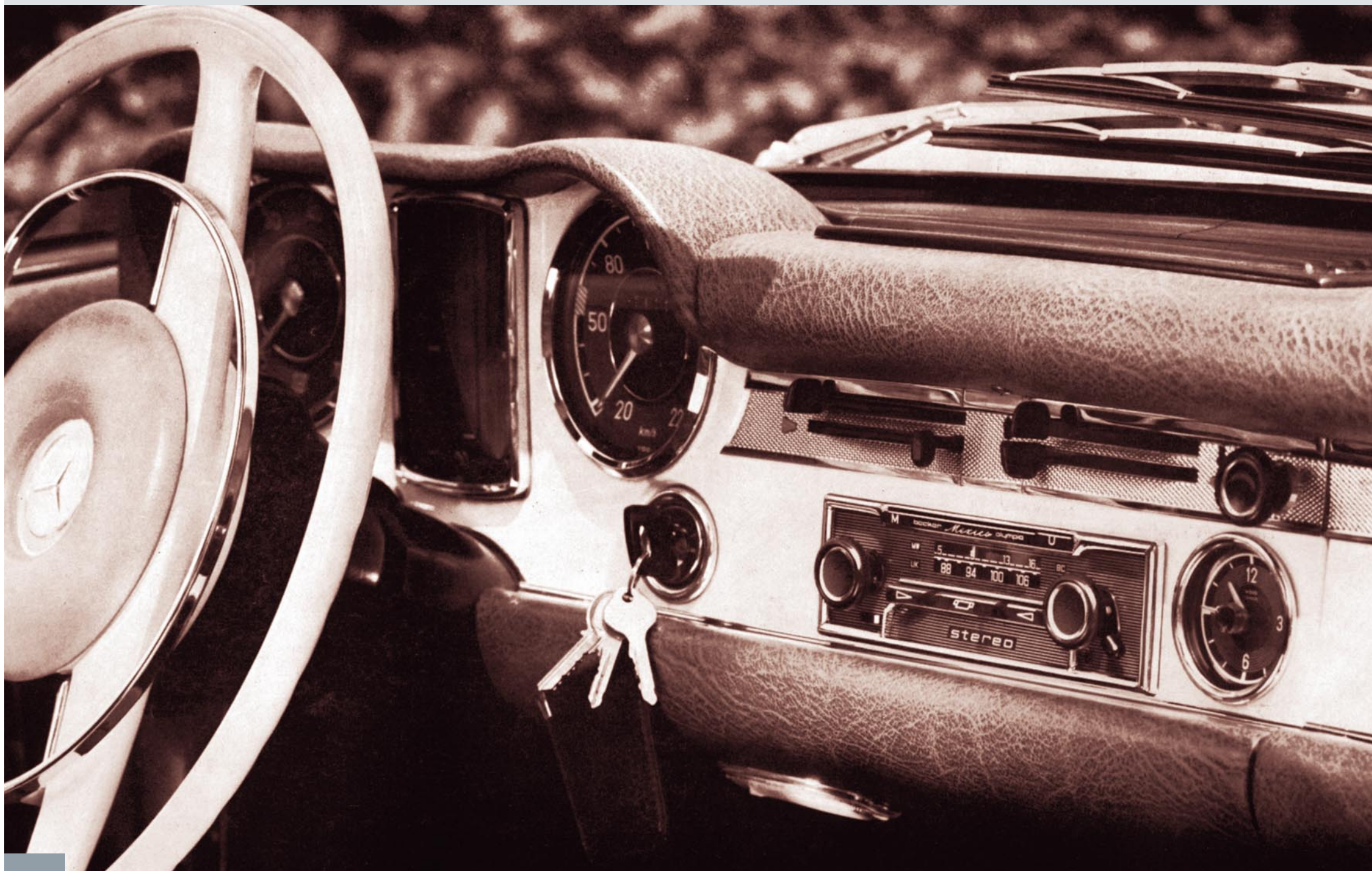


2004 / 2005

A series of innovations.

[Speech Dialogue System, Mobile Media, Navigation,
Car Audio, Car Entertainment]

 **BECKER**



History



A legend doesn't develop overnight:

It takes 50 years of experience!

Becker has been a technological leader from the very beginning. Today, Becker produces a virtually unrivalled range of in-car communication equipment from speech dialogue systems and mobile media, to navigation, car audio and in-car entertainment. The innovations continuously created by Harman/Becker design engineers represent more than new technologies, products and systems. They are genuine milestones in the world of automotive communication.

In 1949, Becker introduced the Auto-phon. As the first car radio sold under the Becker name, this unit provided basic in-car musical entertainment. Today, the Internet-linked Becker Online Pro provides comprehensive, server-supported, in-car information. And the Becker Traffic Pro can even be operated using a speech dialogue system.

The name Becker is backed by 50 years of innovations and many important milestones in automotive communication that document the company's technological leadership:

- 1949 Becker develops autophone – the first car radio
- 1953 Becker Mexico – the first car radio with fully automatic station search
- 1963 Becker Monte Carlo – the first solid-state car radio
- 1969 Becker Europa Stereo – introduction of two-channel reception; Becker Mexico Olympia with integrated Compact Cassette
- 1975 Becker Mexico – the first car cassette radio with auto-reverse
- 1979 Becker Mexico electronic – the first microprocessor-controlled car radio
- 1985 Becker Mexico Compact Disc – the first car radio with integrated CD player
- 1987 Becker Mexico Diversity – the first car radio with dual tuners
- 1990 Becker develops 2-RDS Diversity Tuner
- 1995 Becker Avus and Becker Grand Prix CD receivers – the first car radios with digital audio signal processing
- ...





Innovations

...

- 1996 D2B Optical – the world's first optical waveguide-based in-car data transmission system
- 1997 Becker Traffic Star – the first combination car radio/CD player/navigation system
- 1998 MOST – the optical waveguide, multimedia data highway of the future
- 1999 Becker Traffic Pro – with navigation in 17 European countries
- 2000 Traffic Message Channel (TMC) with software update for Becker Traffic Pro: continuous transmission of silent traffic information integrated into route planning
- 2001 Becker Online Pro – combines e-mail, WAP, SMS, navigation, telephone, MP3, CD and 2-RDS Tuner in a single system
- 2003 Becker Vision Pro – the in-car rear seat entertainment system for videos, DVDs, VCDs, MP3 files, CDs and video games; Becker Monza – the first MP3/CD player with 2-RDS Tuner
- 2004 Becker Traffic Pro 7949 – the first unit with speech dialogue system for navigation, MP3/CD player/CF card and 2-RDS Tuner. Becker Traffic Pro 7945 with *Bluetooth*® wireless technology

Instead of focusing exclusively on car radios,
we create **visionary** products.

These products have consistently received top ratings in comparative product tests. They have also received a number of awards from the trade press and made the Becker brand a legend among customers and

Harman/Becker into what we are today: the innovative leader in automotive communications. We continue to develop new technologies and integrate them into the advanced products and

systems presented on the following pages. These innovations set new standards in versatility, user-friendly operation, quality, reliability and sustained value.

Speech Control



Fast access to
navigation and audio.

Becker brings the ultimate in convenience and security to the car: The Becker Traffic Pro with Bluetooth® technology gives you speech control of the navigation system, MP3/CD player/CF card, radio and mobile phone. Keep your mobile phone in your pocket: Simply place calls and talk via the Becker Traffic Pro hands-free Bluetooth® system.

Becker speech control uses an active Speech Dialogue System: You communicate with the Becker Traffic Pro using spoken commands – and it responds to you with answers or questions. Reliable help functions guide you every step of the way.



Becker Traffic Pro

with *Bluetooth®* wireless technology



Traffic Pro 7945

- Use speech commands to dial phone numbers stored in memory or in the address book
- Exchange address and phone data between your Becker Traffic Pro and mobile phone
- Hands-free operation with Bluetooth® wireless technology

Becker Traffic Pro



Traffic Pro 7949



- Speech Dialogue System available in German, English, French, Italian, Dutch and Spanish
- 200 pre-programmed speech commands.
- 50 individually learnable speech commands.
- City and street names can be entered by spelling out the letters.
- Fast access to all key functions
- Easy switching between dialogue mode (voice commands) and information mode (receiving information)
- Help functions: the available speech commands are read out and shown in the display (context-dependent)
- Animations in the display support the speech dialogue between the system and the user
- Traffic announcements for the selected route can be automatically read aloud
- User can switch between speech control and key control at any time
- Crossover function for separate adjustment of frequencies to front and rear speakers or the subwoofer
- Connection for Becker Silverstone 7860 6-disc CD changer

Becker Traffic Pro

High-end system
with *Bluetooth*[®] wireless
technology



Removable control panel

The anti-theft control panel is removable. Thanks to its compact size, it can be attached to a key ring and fits comfortably in any trouser pocket. Quick-slider detachment mechanism.

Address book function

Address book for up to 500 personal entries with complete addresses and telephone numbers – addresses can be entered directly into the navigation.



Speech dialogue system

Innovative operating concept with quick access to all main functions through speech input and speech output. 200 pre-programmed speech commands with 50 individually learnable commands.



MP3/CD player/CF card



MP3 playback from CompactFlash card or Microdrive: Up to 4 GB of data can be stored on a mini hard disc (FAT 16 format) – for more than 30 hours of nonstop music at a high quality bit rate (256 kbit/s). Microdrive or card playback is also possible while using the navigation system.



2-RDS Tuner



The 2-RDS Tuner automatically switches over to the best frequency for the selected station to ensure interference-free reception and reliably feed TMC traffic information to the navigation system. Dynamic bandwidth changeover improves reception in areas where there is a high concentration of broadcasting stations.

Traffic Pro 7945



* Dynamic route guidance with Traffic Message Channel (TMC) in Austria, Denmark, France, Germany, Italy, Netherlands, Sweden and Switzerland.

Navigation system

Navigation in 23 European countries with dynamic route guidance on FM, AM and SW. 64 MB RAM and 166 MHz processor with 32-bit RISC architecture allow storage of long routes with wide corridors, fast computing processes and navigation announcements in 12 languages. Destinations can be entered by speech input or a rotary knob/button.



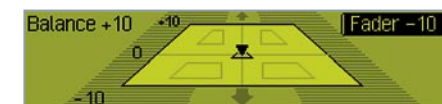
Bluetooth® wireless technology



Keep your mobile phone in your pocket: Simply place calls and talk via your Becker Traffic Pro. The Bluetooth® interface uses wireless technology to connect your mobile phone to your Becker Traffic Pro – for hands-free calls and wireless data transfer without add-on modules.

4-channel output stage

30 watts per channel provide incredible in-car sound. System features include a controllable subwoofer line-out and four-channel line-out.



OLED display

Anti-reflective, scratchproof, high-resolution OLED display. Text and graphics appear in high contrast from virtually any viewing angle. Automatic, sensor-controlled switching between day and night lighting design.



day lighting design



night lighting design



5-band equaliser

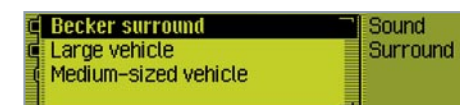
Adjust the sound using predefined profiles – e.g., pop, rock, jazz, classic or linear. You can also store 3 personal profiles with balance and fader adjustments.



Becker Traffic Pro

Display colour green, day/night lighting design

Becker surround-sound system



Digital signal processing with audio options for different vehicle interior sizes.

Mobile Media

WAP



The Becker Online Pro transforms your car into a high-tech communications centre with virtually unlimited options. A unique combination of Internet access, navigation system, MP3/MMC/CD player, hands-free telephone, 2-RDS Tuner and emergency call function all integrated into a single system.

The Internet connection allows you to receive, listen to, write and send e-mails and SMS messages on the road. You can also use a wide range of WAP services and the online services provided by the BeckerClub: travel planning, points of interest, journey log and anti-theft tracking.

Online on the road –
your mobile office.

Becker Online Pro



Online Pro 7800

- WAP browser with preset e-mail address from web.de
- Personal, password-protected home page with guest access via www.beckerclub.com and WAP
- Speech synthesis – your e-mails and SMS messages can be read aloud
- Plan routes on your PC and transfer them directly to the navigation system in your vehicle

- Navigation in 22 European countries with TMC technology for dynamic route guidance on FM, AM, LW and SW. Destination selection by entering letters, postcodes or geo-coordinates
- MP3 files: compile your own playlists on a PC and enjoy up to 14 hours of non-stop CD music in your car
- CD drive for audio CDs, CD-R and CD-RW/MP3 operates independently of navigation system
- Telephone with GSM tri-band technology features hands-free operation and wake-up function
- 2-RDS Tuner with frequency diversity – you always receive the best available frequency, without noticing the frequency changes
- Configurable SOS emergency call function



Becker Online Pro



Multimedia
online on tour

E-mail

Receive, listen to, write and send e-mails to and from your vehicle, with your own e-mail address and mailbox from web.de.



WAP

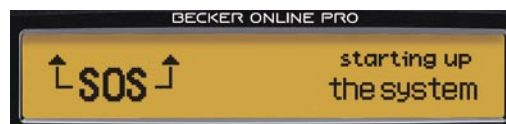
Use a WAP browser to surf the Internet, conduct targeted searches, place password-protected orders or bookings and use your PC to assign 6 of your favourite sites to soft keys.



Telephone

With a GSM tri-band telephone and integrated hands-free operation, you can hold telephone conferences, toggle between calls, select call waiting and call diversion, listen to your voice mail and individually configure all settings.

Emergency call function



In the event of an emergency, you can send an emergency call to a central point and transmit the current vehicle position within Germany – for quick roadside assistance when you need it.



* Dynamic route guidance with Traffic Message Channel (TMC) in Austria, Denmark, Germany, Italy, Netherlands, Sweden and Switzerland.

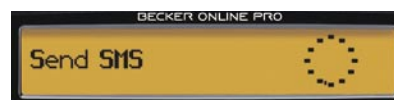
Navigation

Pinpoint your destination in 22 European countries. TMC* technology provides dynamic route guidance and displays start time, remaining travel time and estimated arrival time.



SMS

Receive, listen to, write and send SMS messages without a mobile phone – quickly and conveniently via control knob and soft keys.



2-RDS Tuner

Listen to your selected programme on the best available FM frequency. All currently available channels are automatically stored by the dynamic AutoStore function and shown in the display. Simply use the soft keys to select your preferred station.



MP3 player

Download MP3 files from the Internet, compile your own playlists on a PC and enjoy up to 12 hours of non-stop music in your car. Along with audio CDs, you can also play files from MMCs (Multi-Media Cards).



Online Pro 7800



Becker Online Pro
changeable display colour
red/yellow



MultiMediaCard Slot

CD player

Enjoy top-quality CD sound on the road with a full range of functions including track title and artist display. You can also connect a Becker Silverstone 6 CD changer for more variety.



Online Services



Your Becker Online Pro gives you direct access to a variety of online services provided exclusively by BeckerClub via your mobile phone. All you need is a SIM card from your mobile phone service provider.

You can access the BeckerClub on the Internet at www.beckerclub.com. This is where you will find all the information you need to join the BeckerClub. Your personal password-protected home page with guest access is accessible via the BeckerClub website of WAP.



Direct **access** to information:

www.beckerclub.com

- Journey log:

Your Becker Online Pro is also a server-based logbook. It stores all journey destinations along with the routes driven. You can access, process and print out this information at any time via the BeckerClub website and even classify the data for business and private use.

- Anti-theft tracking:

If your vehicle is stolen, it can be located through the BeckerClub. By activating the anti-theft tracking function, the position of the vehicle can be pinpointed and sent to you via SMS.

- Journey planning:

Prepare your trip on a PC and conveniently access the information in your car. You can download your data to the Becker Online Pro navigation computer before you start your journey.

- Points of Interest:

You can configure the system to display points of interest along your route, including hotels, filling stations, golf courses, tourist attractions, etc., and directly navigate to these destinations without entering the address. The BeckerClub provides points of interest throughout Europe and lets you reserve hotel rooms in advance.





Fleet Management

The Becker Online Pro lets you optimise fleet management with direct communication between the control centre and your vehicles travelling anywhere in Germany. By combining telematics, mobile communications and Internet services, this technology not only simplifies the work of dispatchers, drivers and field staff – it also shortens journeys and saves time



Uninterrupted data exchange:
www.webfleet.de

and money. Messages are relayed via WAP to and from an Internet server and secured with modern encryption techniques.

- Efficient order management:
Registered drivers receive a detailed job order and address dispatched directly to the vehicle. The Becker Online Pro navigates the vehicle directly to the destination. Once the order has been carried out, a status message is sent to the control centre.
- Accurate interval positioning:
A WAP data connection makes it possible to pinpoint the location of each vehicle at any time, anywhere in Germany. Vehicle routes can be tracked on Internet road maps.
- Flexible dispatching:
Dispatchers can check order status via any Internet connection – password-protected and independent of location. New orders can be cost-effectively included on existing runs, or directed to drivers already in the vicinity of the destination.

Push-SMS and WAP-Call



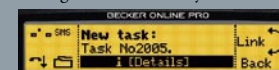
Data connection to Becker Online Pro initiated by schedulers



Messages sent immediately to the driver



Location or automatic interval message sent immediately



Automatic display of a new order



Details of the new order



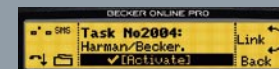
Acceptance of a new order by the driver



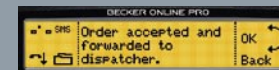
The driver chooses from the order list



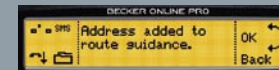
Order list display



Order selection



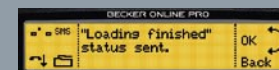
Confirmation of the order acceptance to the schedulers



Direct navigation to the destination



Status message sent to the schedulers



Confirmation of the status message

New order entry

Order management and status messages

Navigation



Europe on CD –
reliable **route** information.

Becker opted for storage and speech-based navigation from the very beginning. This makes it possible to play audio CDs played during navigation. Becker navigation system features include simple destination entry, fast route calculation, dynamic route guidance using TMC technology on FM, AM, LW, and SW. Points of interest can be easily selected with a wide range of useful information presented in the display. The Becker Indianapolis also includes a speed limit function, which displays legal limits on over 100,000 km of motorway in Europe.

The delivery package includes navigation CDs containing up-to-date information on road networks in 22 countries: Andorra, Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Ireland, Italy, Liechtenstein, Luxemburg, Monaco, Netherlands, Norway, Portugal, San Marino, Switzerland, Sweden, Spain, United Kingdom and Vatican City.

Becker Traffic Pro,
Becker Online Pro and
Becker Indianapolis:
The choice is yours!

Becker Indianapolis



Indianapolis 7922

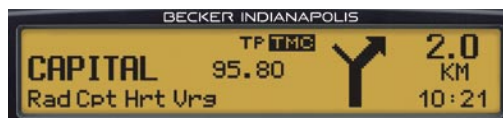


- Destination memory for 50 fixed / last 50 destinations
- Configurable route options
- Points of interest display – e.g. filling stations, stations, hotels, airports
- Speed limit display function
- MP3/WMA/CD player with shock-proof drive and scratch-proof mechanism for error-free playback of audio CDs and CD-ROMs
- Playlist selection for MP3 CDs
- 2-RDS Tuner with frequency diversity stay tuned to the strongest signal for the selected station without hearing the frequency changeover
- Connection for the Becker Silverstone 6-CD changer
- Navigation in 22 European countries
- Navigate and listen to MP3 or WMA compressed audio files on CD
- Quad-speed CD drive
- 32 MB RAM
- 120 MHz processor with 32-bit RISC architecture
- Dynamic TMC route guidance on FM, AM, LW, and SW
- Entry of postcodes, street addresses, intersections and geo-coordinates
- Speech dialogue control with male or female voice available in 12 languages



Becker Indianapolis

High-tech navigation



2-RDS Tuner

Listen to your selected programme on the best available FM frequency. All currently available channels are automatically stored by the dynamic AutoStore function and shown in the display. Simply use the soft keys to select your preferred station.

Navigation

Pinpoint your destination in 22 European countries by entering the postcode or geo-coordinates. Features include separately controllable presets for navigation and audio volume levels.



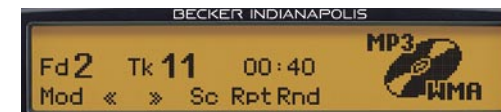
TMC* Traffic Message channel

Receive the latest TMC information on FM, AM, LW and SW for dynamic navigation and route recalculation in case of traffic jams.



CD/WMA/MP3 player

Experience reference-quality CD sound while navigating. The system supports WMA and all standard MP3 formats and displays track title and artist. You can also connect a Becker Silverstone 6-CD changer for even more variety.



Indianapolis 7920

* Dynamic route guidance with Traffic Message Channel (TMC) in Austria, Denmark, Germany, Italy, Netherlands, Sweden and Switzerland.

Navigation CDs



The navigation CDs included in the delivery package contain complete road network details for 22 European countries from Andorra to Vatican City.



Speed Limit

The Speed Limit function informs you about the legal speed limits on nearly 100,000 km of motorway in Europe.

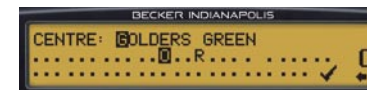


[Becker test drive:

Navigation is this easy.]



All functions can be simply selected and accessed via rotary controller and soft keys.



The dictionary function intuitively completes your entries with each letter – automatically and logically.



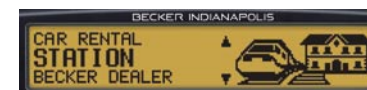
Set individual parameters. For example, you can select the fastest route or exclude motorways.



Entering geo-coordinates accurately guides you to your selected destination – even if it's in the middle of nowhere.



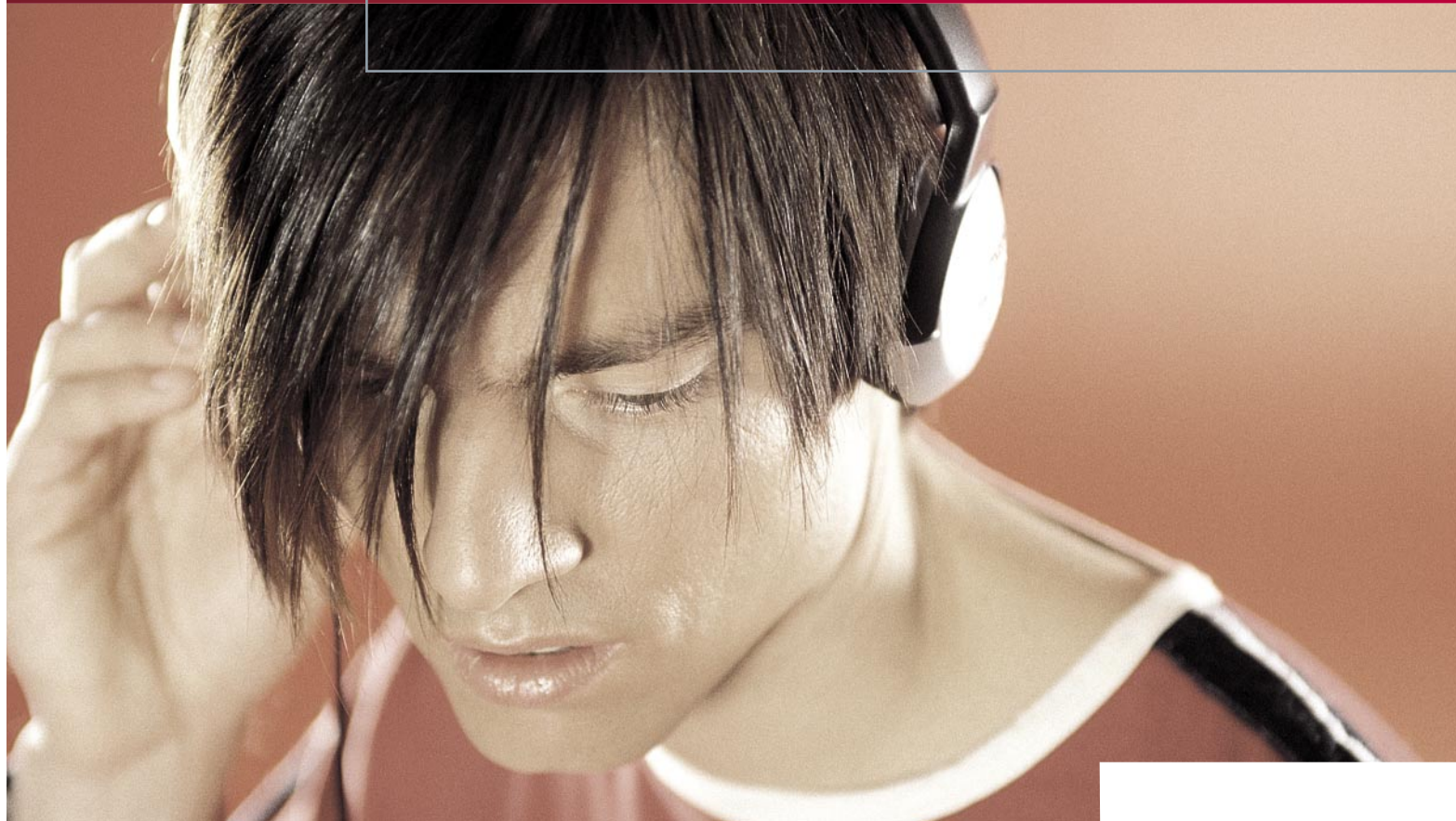
Once your route has been calculated, a voice tells you where your next turn-off is.



The system will guide you directly to points of interest, including filling stations, railways stations or airports.



Car Audio



A unique audio
experience!

The 2-RDS Tuner ensures that you stay tuned to the strongest signal and you won't even notice the frequency change. While tuner 1 is playing the selected station, tuner 2 continuously scans all frequencies broadcasting the same signal and checks the reception quality. As soon as tuner 2 picks up a better frequency, tuner 1 changes over without interruption. All currently available stations are automatically stored by the dynamic AutoStore function and shown in the display. The audio experience further enhanced by the high-quality MP3/CD player. Choose Becker Mexico Pro or Becker Monza.

Becker Mexico MP3 | Becker Monza



- MP3/WMA/CD player with shock-proof drive and scratchproof mechanism for excellent reproduction of audio CDs and CD-ROMs
- CD-RW compatible
- CD mixed mode for CDs containing audio and MP3 tracks
- CD Multi-Session for CDs recorded in different sessions
- Management and display of 200 tracks in 20 directories with ID3 tags (track title, artist, elapsed time)
- Playlist selection for MP3 CDs
- Last address memory, skip, scan search, random play and repeat function
- Bit rate: 8 320 kbit/s, sampling rate 8 kHz 48 kHz
- Supports variable bit rates



Mexico Pro 7930

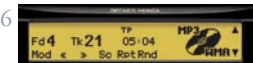


- 2-RDS Tuner with diversity technology
- Automatic station search
- SVC speed dependent volume control
- Radio text
- DAS Dynamic AutoStore
- PTY channel selection for preferred programme types (rock, pop, classical, news, etc.)
- Security code
- Mexico Pro: with removeable control panel

Monza 7889



Monza 7886



Monza 7885



Mexico Pro 7932

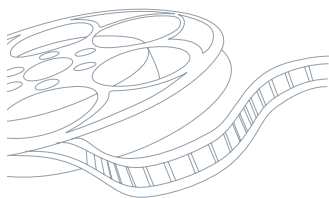


Mexico Pro 7933



Mexico Pro 7935

Rear-Seat Entertainment



Becker Vision Pro brings the fascination of motion pictures into your car: Videos, DVDs, MP3 files, CDs and video games can all be played on a tilting overhead monitor for the ultimate in rear-seat entertainment.

The TFT monitor and multi-layer technology provides brilliant pictures and realistic colours. Features include a 3x zoom function for all screen formats without sacrificing picture quality. Surround-sound processing for stunning audio performance. With connections for a video camera, camcorder or game console and many more functions. The remote control unit makes hands-on operation unimaginably easy.



Experience the fascination
of cinema in your car.



Becker Vision Pro

- System components:
Display unit, DVD player, MP3 player with graphic user interface, CD player for audio CDs, infrared remote control and two infrared headphone sets
- TFT colour display with extended viewing angle format: 6"/16:9
- Menu languages: English, French, German, Italian, Spanish
- Colour, contrast and brightness controls
- Twelve different playback speeds
- Variable background lighting automatically or manually adjustable
- AV/S-VHS input for external equipment
- Becker surround-sound headphones and two headphone jacks with independent volume controls
- Infrared headphone interface with 8 LEDs for optimum reception
- Security code

Connections for camcorder, game console and digital camera



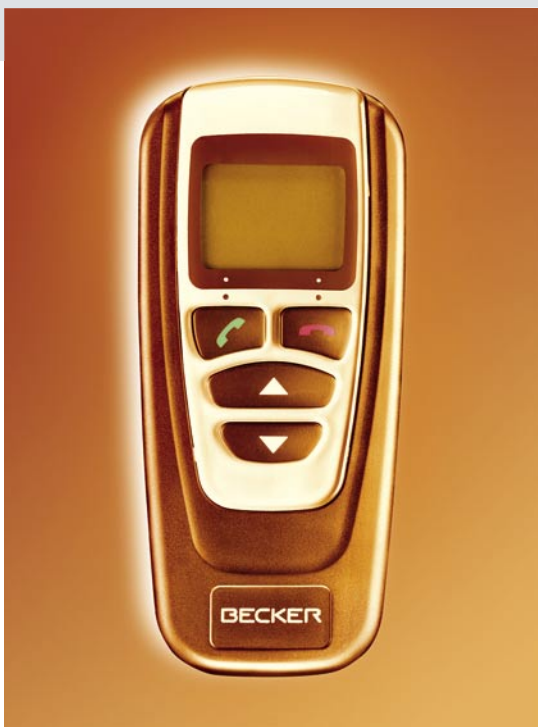
Becker Speech Control



Becker Speech Control is a hands-free system that supports all mobile phone control options in your car. Speech control lets you dial up to 30 numbers by simply entering voice commands. The system understands these commands irrespective of the speaker, confirms them and gives you context-sensitive operation hints.

Becker Speech Control is easy to retrofit and connect to the Becker head units. This gives you a variety of practical functions: Telephone conversations can be heard through the car speakers. An integrated signal processor suppresses echoes and noise interference. Volume and sound

Hands-free operation
with mobile-phone cradle.



can be directly controlled via your Becker system, which can be switched on and off via buttons or by remote control. All other functions can be operated via Becker Speech Control.

Becker Speech Control

- Can be connected to Becker head units
- Supports all mobile phone hands-free functions
- 30 number speech dialling
- Speaker-independent dialling
- Excellent reception quality with automatic switching to vehicle speakers



- DSB echo and noise suppression
- Separate volume control
- Automatic radio mute
- Bluetooth support (optional) with an adaptor for up to three mobile phones wirelessly linked to the Becker Speech Control system
- Emergency call function
- Remote control
- Intelligent charging system
- Easy mobile phone changeover
- Connection for external antenna
- Extensive range of mobile-phone cradles

Becker Silverstone



Becker Silverstone

- Control via Becker Online Pro (from software version 1.5), Becker Traffic Pro 7949, Becker Traffic Pro 4720 (from software version 6.0), Becker Traffic Pro High-Speed, Becker Indianapolis, Becker Mexico Pro, Becker DTM High-Speed and Becker Monza
- Automatic software link
- Custom file – individual track assignment for all CDs
- 1-bit D/A conversion
- Signal/noise ratio 93 db
- Easy horizontal or vertical installation from 0° to 90°

6-CD changer.

With a Becker Silverstone you can compile your own personal playlists for non-stop music

enjoyment on long journeys.

This 6-CD changer can be operated via your Becker car audio system. Select each CD and track separately or simply choose Random Play for a unique music mix.

Silverstone 7860



An overview of technical data for all Becker products is provided here.
If you are unable to find the information you need,
go to: www.becker.de or call +49.7248.711777

Becker Info Line: Information at your fingertips.

For complete details on Becker products, technology, installation, guarantees and your nearest Becker dealer, contact the Becker Info Line: Tel. +49.7248.711777. Our staff will be happy to answer your questions.

Your Becker dealer

